LEGEND

REFERENCE SYMBOLS

- NORTH ARROW — INDICATES DIRECTION TO NORTH
- ROOM — NAME / NO — NUMBER INDICATES ROOM
- DOOR — 100 / A — DOOR NUMBER
- SECTION — DIRECTION OF SECTION; NUMBER OF SECTION; SHEET WHERE SECTION IS LOCATED
- DETAIL — NUMBER OF DETAIL; SHEET WHERE DETAIL IS LOCATED
- EQUIPMENT & ACCESSORY — LETTER REFERS TO ASSOCIATED NOTE ON EQUIPMENT OR ACCESSORY LEGEND
- INTERIOR ELEVATION — DIRECTION OF ELEVATION; NUMBER OF INT. ELEVATION; SHEET WHERE INT. ELEVATION IS LOCATED
- COLUMN LINE — A — COLUMN LINE
- WALL TYPE — 1 — NUMBER INDICATES WALL TYPE

MATERIAL DESIGNATIONS

FIRE-RATED CONCRETE BLOCK
CONCRETE BLOCK
BRICK (COMMON/ FACE)
FIRE BRICK
INSULATION (RIGID)
INSULATION (BATT)
CONCRETE
EARTH
GYPSUM WALL BOARD
WOOD (ROUGH)
WOOD (FINISHED)
PLYWOOD
MARBLE
STEEL/ OTHER METALS
ALUMINUM
GLASS
CERAMIC TILE
SAND/MORTAR/ PLASTER/CUT STONE
ACOUSTICAL TILE
PLASTIC

ABBREVIATIONS

ABB.	DESCRIPTION	ABB.	DESCRIPTION	ABB.	DESCRIPTION
A.C.T.	ACOUSTICAL CEILING TILE	EL.	ELEVATION	MATL	MATERIAL
ADJ.	ADJUSTABLE	EQ.	EQUAL	MECH.	MECHANICAL
A.F.F.	ABOVE FINISHED FLOOR	EXP. JT.	EXPANSION JOINT	MTL	METAL
A.H.U.	AIR HANDLING UNIT	EXT	EXTERIOR	MIN.	MINIMUM
ALT.	ALTERNATE	EXIST., EXG.	EXISTING	N.I.C.	NOT IN CONTRACT
ALUM.	ALUMINUM	FIN. CLG	FINISH CEILING	N.T.S.	NOT TO SCALE
C.J.	CONTROL JOINT	FIN. FLR	FINISH FLOOR	NO.	NUMBER
CLG	CEILING	F.E.C.	FIRE EXTINGUISHER CABINET	O.C.	ON CENTER
CONC.	CONCRETE	GALV.	GALVANIZED	P.L.	PLASTIC LAMINATE
CONT.	CONTINUOUS	GA.	GAUGE	P.T.	PRESSURE TREATED
CPT	CARPET	GWB	GYPSUM BOARD	REQD.	REQUIRED
C.T.	CERAMIC TILE	G.C.	GENERAL CONTRACTOR	R.O.	ROUGH OPENING
C.M.U.	CONCRETE MASONRY UNIT	HGT	HEIGHT	SHT	SHEET
DED.	DEDICATED	H.M.	HOLLOW METAL	SIM.	SIMILAR
DIA.	DIAMETER	INSUL.	INSULATION	S.O.	SLAB OPENING
DRS.	DOORS	JAN.	JANITOR	STL.	STEEL
DS.	DOWNSPOUT	JT.	JOINT	T&G	TONGUE AND GROOVE
DWG	DRAWING	LAM.	LAMINATE	TYP.	TYPICAL
EA.	EACH	LAV.	LAVATORY	U.N.O.	UNLESS NOTED OTHERWISE
E.W.C.	ELECTRIC WATER COOLER	M.O.	MASONRY OPENING	V.C.T.	VINYL COMPOSITION TILE
		MAX.	MAXIMUM	VERT.	VERTICAL
				V.W.C.	VINYL WALL COVERING

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CODE CRITERIA

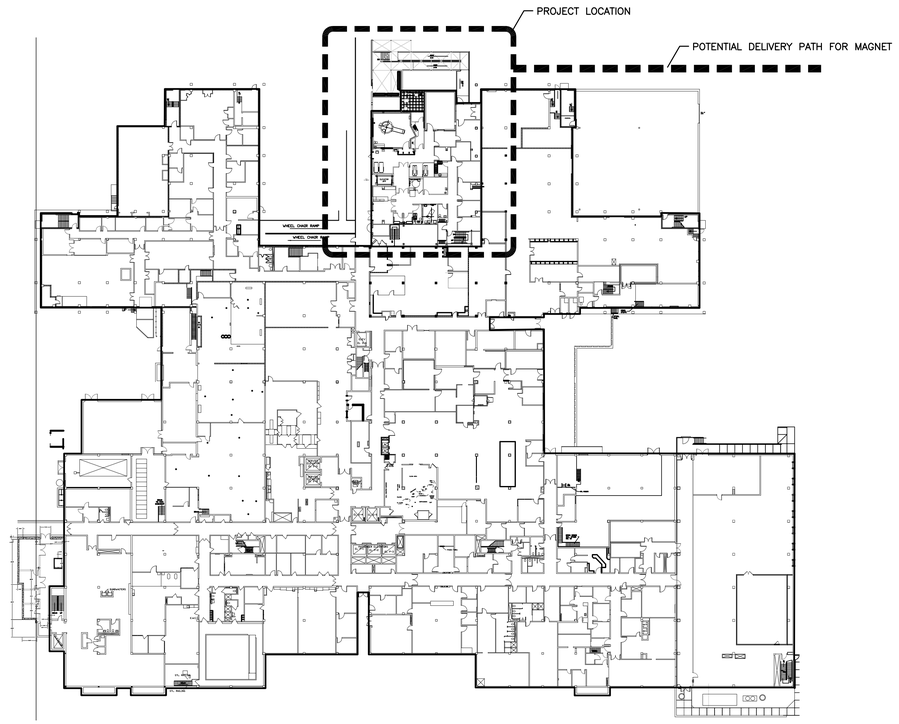
- VA DIRECTIVES, DESIGN MANUALS, MASTER SPECIFICATIONS, VA NATIONAL CAD STANDARD APPLICATION GUIDE, AND OTHER GUIDANCE ON THE TECHNICAL INFORMATION LIBRARY (TIL) (http:\\www.va.gov/facmgt/standard/).
- INTERNATIONAL BUILDING CODE (IBC) INCLUDING INTERNATIONAL MECHANICAL AND PLUMBING CODES
- NFPA 101 LIFE SAFETY CODE (SEE NOTES BELOW)
- NFPA NATIONAL FIRE CODES WITH THE EXCEPTION OF NFPA 5000 AND NFPA 900
- OCCUPATIONAL, SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS.
- VA SEISMIC DESIGN REQUIREMENTS, H–18–8
- NATIONAL ELECTRICAL CODE (NEC)
- NATIONAL STANDARD PLUMBING CODE (NSPC)
- SAFETY CODE FOR ELEVATORS AND ESCALATORS, AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME) A 17.1.
- ASME BOILER AND PRESSURE VESSEL CODE
- ASME CODE FOR PRESSURE PIPING
- UNIFORM FEDERAL ACCESSIBILITY STANDARDS (UFAS) INCLUDING VA SUPPLEMENT, BARRIER FREE DESIGN
- BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, AMERICAN CONCRETE INSTITUTE AND COMMENTARY (ACI 318)
- MANUAL OF STEEL CONSTRUCTION, LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)
- ENERGY POLICY ACT OF 2005 (EPAct)
- DOE INTERIM FINAL RULE: ENERGY CONSERVATION STANDARDS FOR NEW FEDERAL, COMMERCIAL AND MULTI–FAMILY HIGH–RISE RESIDENTIAL BUILDINGS AND NEW LOW–RISE RESIDENTIAL BUILDINGS, 10 CFR PARTS 433, 434 AND 435.
- FEDERAL LEADERSHIP IN HIGH PERFORMANCE AND SUSTAINABLE BUILDINGS: MEMORANDUM OF UNDERSTANDING (MOU)
- EXECUTIVE ORDER 13423: STRENGTHENING FEDERAL ENVIRONMENTAL, ENERGY, AND TRANSPORTATION MANAGEMENT.
- THE PROVISIONS FOR CONSTRUCTION AND SAFETY SIGNS. STATED IN THE GENERAL REQUIREMENTS SECTION 01010 OF THE VA MASTER CONSTRUCTION SPECIFICATION.
- VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY – ASHRAE STANDARD 62.1– 2004.
- SAFETY STANDARD FOR REFRIGERATION SYSTEMS – ASHRAE STANDARD 15 – 2007.

LOCAL CODES: AS AN AGENCY OF THE FEDERAL GOVERNMENT, VA IS NOT SUBJECT TO LOCAL IMPOSITION OF CODE ENFORCEMENT PROCEDURES (DRAWING REVIEWS, BUILDING PERMITS, INSPECTIONS, FEES, ETC.). VA MUST FUNCTION AS THE AUTHORITY HAVING JURISDICTION (AHJ) AND THUS HAS THE RESPONSIBILITY TO GUARD PUBLIC HEALTH AND SAFETY THROUGH ENFORCING ITS ADOPTED CODES. HOWEVER, LOCAL AUTHORITIES SHOULD BE NOTIFIED ABOUT PLANNED PROJECTS AND GIVEN OPPORTUNITY TO REVIEW DRAWINGS PROVIDED THAT VA DOES NOT PAY FOR REVIEW OR INSPECTION FEES.

NOTES:

1.NFPA 101 PRIMARILY ADDRESSES LIFE SAFETY AND FIRE PROTECTION FEATURES WHILE THE IBC ADDRESSES A WIDE RANGE OF CONSIDERATIONS, INCLUDING, BUT NOT LIMITED TO, STRUCTURAL STRENGTH, STABILITY, SANITATION, ADEQUATE LIGHT AND VENTILATION, AND ENERGY CONSERVATION. VA BUILDINGS MUST MEET THE REQUIREMENTS OF NFPA 101 AND DOCUMENTS REFERENCED BY NFPA 101 IN ORDER TO COMPLY WITH THE ACCREDITATION REQUIREMENTS OF THE JOINT COMMISSION. THEREFORE, DESIGNS SHALL COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF NFPA 101 AND DOCUMENTS REFERENCED THEREIN. DESIGN FEATURES NOT ADDRESSED BY NFPA 101 OR DOCUMENTS REFERENCED THEREIN SHALL COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE IBC OR AS OTHERWISE ADDRESSED ABOVE IN THIS PROGRAM GUIDE. FOR DESIGN FEATURES THAT ARE ADDRESSED BY BOTH THE IBC AS WELL AS NFPA 101 OR A DOCUMENT REFERENCED BY NFPA 101, THE REQUIREMENTS OF NFPA 101 OR THE DOCUMENT REFERENCED BY NFPA 101 SHALL BE USED EXCLUSIVELY (THIS APPLIES EVEN IF THE IBC REQUIREMENTS ARE DIFFERENT).

CONFLICTS BETWEEN NATIONALLY RECOGNIZED CODES AND STANDARDS AND VA REQUIREMENTS – SHOULD A CONFLICT EXIST BETWEEN VA REQUIREMENTS AND VA ADOPTED NATIONALLY RECOGNIZED CODES AND STANDARDS, THE CONFLICT SHALL BE BROUGHT TO THE ATTENTION OF VA. THE RESOLUTION OF THE CONFLICT SHALL BE MADE BY THE AUTHORITY HAVING JURISDICTION FOR VA TO ENSURE A CONSISTENCY SYSTEM WIDE.



N 1 **LOCATION PLAN**
NTS

GENERAL SCOPE OF WORK

THE GENERAL SCOPE OF WORK INCLUDES RENOVATION AND MODIFICATIONS TO THE MRI SUITE. A GENERAL DESCRIPTION OF WORK INCLUDES PARTIAL DEMOLITION OF EXISTING WALLS; REMOVAL OF EXISTING MILLWORK; REMOVAL OF EXISTING FLOOR FINISHES AND BASE TRIM; REMOVAL AND REPLACEMENT OF CEILING DIFFUSERS, LIGHT FIXTURES AND ACCESSORIES; INSTALLATION OF NEW ACT CEILING, LIGHT FIXTURES, DIFFUSERS, MILLWORK, FINISHES, WALL BASE, DOOR FRAMES, DOORS, MECHANICAL AND ELECTRICAL SYSTEMS, REFER TO DRAWINGS FOR SPECIFIC SCOPE OF WORK. APPROXIMATE AREA OF RENOVATION IS 3,800 SQFT

MRI SAFETY NOTES

GC IS TO BE ADVISED THAT THE SCOPE OF WORK INVOLVES WORKING WITH AND AROUND ACTIVE MAGNETS.
GC IS TO TAKE EXTREME CAUTION WHEN WORKING IN THESE SPACES.

RIGGING AND DELIVERY

THE DELIVERY PROCESS IS AS FOLLOWS:

1. THE CONTRACTOR AND FSE WILL REVIEW THE OASIS MARK II PRE–DELIVERY CHECKLIST AGAINST THE ACTUAL SITE STATUS. SITE PLANNING IS TO BE CONTACTED WITH ANY CONCERNS THAT MAY AFFECT THE DELIVERY.
2. FOURTEEN (14) DAYS PRIOR TO THE SCHEDULED DELIVERY, THE CUSTOMER WILL SUBMIT A COMPLETED CHECKLIST TO SITE PLANNING NOTING THE STATUS OF THE SITE.
   a. IF COMPLETION OF THE CHECKLIST REQUIREMENTS CANNOT BE GUARANTEED BY THE CUSTOMER, THE DELIVERY WILL BE RESCHEDULED.
   b. IF THE CUSTOMER CAN VERIFY THAT THE SITE IS ON SCHEDULE AND THAT ALL CHECKLIST REQUIREMENTS WILL BE COMPLETE, THE DELIVERY DATE WILL BE SET WITHIN 10 DAYS OF THE SUBMITTAL.
3. THE CUSTOMER CONFIRMS THE RIGGERS SCHEDULE AT THIS TIME.

NOTE: THERE ARE MULTIPLE UNDERGROUND UTILITIES UNDER THE ROADWAY LEADING TO THE PROJECT LOCATION. CRANE OPERATORS ARE TO INVESTIGATE EXISTING CONDITIONS AND PROVIDE ALL NECESSARY CRIBBING AND/OR SHORING TO MITIGATE THE CRANE WEIGHT AND PROTECT ROADWAY AND UTILITIES FROM DAMAGE.

RESPONSIBILITIES

RESPONSIBILITIES:
HMSA RESPONSIBILITIES:

1. ASSIST THE CUSTOMER I CONTRACTOR IN IDENTIFYING A DELIVERY STAGING AREA (TRUCK PARKING. CRATE UNPACKING).
2. ASSIST THE CUSTOMER I CONTRACTOR IN IDENTIFYING A DELIVERY PATH FROM THE STAGING AREA TO THE SUITE.
3. ASSIST THE CUSTOMER I CONTRACTOR IN LOCATING AN ADEQUATE I ACCESSIBLE STORAGE SPACE (600 SF)
4. COORDINATE THE DELIVERY DATE WITH THE CUSTOMER I CONTRACTOR AND APPROPRIATE PARTIES.
5. INSPECT AND APPROVE THE SITE PRIOR TO DELIVERY TO CONFIRM THE ADEQUATE ACCESS IS AVAILABLE.
6. INSTALL THE OASIS MARK II SYSTEM.

CUSTOMER/CONTRACTOR/RIGGERS RESPONSIBILITIES:

1. ARRANGE WITH HMSA FOR DELIVERY OF THE CHILLER SYSTEM PRIOR TO SYSTEM DELIVERY.
2. HAVE THE CHILLER SYSTEM INSTALLED AND TESTED PRIOR TO DELIVERY OF THE SYSTEM.
3. PROVIDE AN OBSTRUCTION FREE DELIVERY PATH MEETING THE DELIVERY REQUIREMENTS.
4. PROVIDE AN OBSTRUCTION FREE STAGING AREA.
5. HAVE A FACILITY REPRESENTATIVE AVAILABLE AT THE TIME OF DELIVERY TO SIGN SHIPPING DOCUMENTS.
6. SECURE INSURANCE COVERAGE FOR THE SYSTEM, EFFECTIVE UPON DELIVERY.
7. PROVIDE AN ADEQUATE I ACCESSIBLE STORAGE AREA WITHIN THE FACILITY, IF REQUIRED.
8. ARRANGE FOR THE DISPOSAL OF ALL PACKING AND CRATING MATERIALS (40 YARD DUMPSTER REQUIRED, WILL ALSO REQUIRE BEING EMPTIED DURING THE FIRST DAY)
9. CONTRACT A RIGGER TRAINED IN HANDLING THE OASIS MARK II MAGNET TO PERFORM THIS DELIVERY INCLUDING THE FOLLOWING.
10. TAKE THE NECESSARY PRECAUTIONS TO PROTECT THE FACILITY AND EQUIPMENT.
11. IDENTIFY AND PROVIDE NECESSARY EQUIPMENT FOR THE DELIVERY (I.E. CRANE, FORKLIFT, MANPOWER, TOOLS)
12. UNLOAD AND UNCRATE ALL OF THE EQUIPMENT AND PLACE IT IN THE SUITE.
13. SET MAGNET AND ANCILLARY EQUIPMENT PER THE HMSA SITE PLAN.

RIGGERS

RIGGERS:
NORCAL RIGGING & INSTALLATIONS
PHONE: 877–995–8840
CONTACT: CHRIS MCCOWIN

JC DUGGAN, INC.
PHONE: 718–384–3260
CONTACT: JOHN CEREGHINO

DIAMOND RIGGING CORPORATION
PHONE: 630–879–6500
CONTACT: MAX MAYER

AMBROSE RIGGING
PHONE: 215–674–9232
CONTACT: FRAN AMBROSE

HWP
PHONE: 314–865–0100
CONTACT: JOSH CUMMINGS/BOB DEUTSH

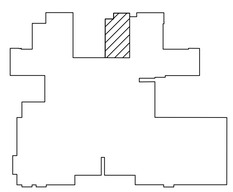
ABLE MACHINERY MOVERS
PHONE: 800–856–1914
CONTACT: MIKE ALIANELL

ATLAS INDUSTRIAL CONTRACTORS
PHONE: 800–562–8322
CONTACT: RAY BUDD

BURTON TRUCKING AND RIGGING
PHONE: 916–806–4800
CONTACT: RICHARD BURTON

BELGERS RIGGING
PHONE: 816–472–0000
CONTACT: MIKE SCOTT

CONTACT HITACHI MEDICAL SYSTEMS AMERICA SITE PLANNING FOR THE MOST CURRENT LIST OF TRAINED RIGGERS
PHONE: 800–800–3106



05.13.16 100% SUBMITTAL

REVISION	DATE
30% SUBMITTAL	07/15/15
65% SUBMITTAL	03/04/16
95% SUBMITTAL	04/13/16
100% SUBMITTAL	05/13/16

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FL LIC.#AA0002699

Drawing Title: LEGEND, ABBREVIATIONS, CODE SUMMARY, INDEX

Approved: Director
Approved: Chief Projects
Approved: Chief Facilities Management Service

Project Title: SITE PREP 1.5T MRI
Project Number: 673-CSI-103
Building Number: 1
Location: JAMES A. HALEY VETERANS' HOSPITAL
Date: 05/13/16
Checked: TAG
Drawn: WDH
Drawing Number: GI001
Dwg. 2 of 51

Office of Construction and Facilities Management
Department of Veterans Affairs

VA FORM 08–6231